

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/AU00/00249

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
Int. Cl.: C07H 21/04, C12N 9/02, 9/04, 5/10, 15/29, 15/53		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) IPC: C07H 21/04, C12N 9/02, 9/04, 5/10, 15/29, 15/53		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched AU: IPC as above		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) MEDLINE; CHEMICAL ABSTRACTS; BIOSIS; WPIDS; STN [Keywords: codeinone reductase]		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	Unterlinner, B. <i>et al.</i> , "Molecular cloning and functional expression of codeinone reductase: the penultimate enzyme in morphine biosynthesis in the opium poppy Papaver somniferum". Plant Journal, June 1999, Vol. 18, No. 5, pp 465-75.	<u>1-42</u> 43-62
A	Lenz, R. <i>et al.</i> , "Purification and properties of codeinone reductase (NADPH) from Papaver somniferum cell cultures and differentiated plants". European Journal of Biochemistry, 1 October 1995, Vol. 233, No. 1, pp 132-9.	1-62
<input type="checkbox"/> Further documents are listed in the continuation of Box C		<input type="checkbox"/> See patent family annex
<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&amp;" document member of the same patent family</p>		
Date of the actual completion of the international search <b>5 May 2000</b>	Date of mailing of the international search report <b>13 JUNE 2000</b>	
Name and mailing address of the ISA/AU <b>AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaaustralia.gov.au Facsimile No. (02) 6285 3929</b>	Authorized officer <b>DEBORAH LALLY Telephone No : (02) 6283 2533</b>	